962-62-416   **Annie Y Han*** (`ahan@bmcc.cuny.edu`), Borough of Manhattan Community College, 199
Chambers St., Mathematics Dept., New York, NY 10007. *Learning and Teaching Statistics
Through the Language Roots of the Basic Statistics Terms.*

This research was to investigate the relationship between basic statistics terms and students' understanding of the concepts underlying these terms. There were two parts in this research. Part I: Develop the Experimental Statistics Curriculum(lesson Plan units). In the first part the target basic statistical terms were collected from the statistics textbooks that currently used by MAT150 (Introduction to Statistics) classes. A glossary of statistical terms was developed. All the target statistical terms were integrated into the Experimental Statistics Curriculum. Part II: The Experimental Statistics Curriculum was used in my two Math 150 statistics classes during the Fall 99 semester. The research was designed to reinforce and enhance the traditional knowledge and skills that students would acquire in the Math 150 course. The integration of the language and mathematics teaching technique was used in the classroom to improve students' understanding of mathematical concepts. Student performance improvement according the traditional measure was evaluated. The evaluation of this research involved the collection of qualitative (students surveys - students' opinions) and quantitative (students' math scores at BMCC/CUNY and Math 150) student data. (Received September 13, 2000)

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